SUBJECT INDEX

A general class of polynomials
On the inverse Laplace transform of the product of a general class of polynomials and the multivariable H-function 21
Affine linearization
Affine Poisson structures 189
Almost periodic functions
Compact operators on a Banach space into the space of almost periodic functions 25
Anderson model
Anderson model with decaying randomness existence of extended states 285
Arithmetic-geometric mean
On the ratio of two blocks of consecutive integers 107

Bessel function
Some results involving Bessel function and Fox's H-function of two variables 255
Borel automorphism
On the existence of a finite invariant measure 203
Borel space
On the existence of a finite invariant measure 203

Central extensions
Affine Poisson structures 189
Combinatorial coefficients
Extension of certain types of generating relations 133
Compact operators
Compact operators on a Banach space into the space of almost periodic functions 25
Compactified Jacobian
Singular pencils of quadrics and compactified Jacobians of curves 95
Compressible flow
On shock dynamics 87
Compressible set
On the existence of a finite invariant measure 203
Continuous selections
On infinite-dimensional control system with state and control constraints 65
Controllability
On infinite-dimensional control systems with state and control constraints 65
Convex sub-differential
On infinite-dimensional control systems with state and control constraints 65
Covariant system
Pairs of II_1 factors 157
Critical exponent
Critical Sobolev exponent problem in $\mathbb{R}_n$ ($N \geq 4$) with Neumann boundary condition 275
Cross-dual of a sequence space
Köthe spaces and topological algebra with bases 259
Cutlocus
A class of totally geodesic foliations of Lie groups 57

de Rham complex
Decomposition of the de Rham complex 103
Decaying randomness
Anderson model with decaying randomness existence of extended states 285
Deviating arguments
Existence of solution for nonlinear Volterra integral equations 179
Direction vector
An efficient algorithm for linear programming 295

Elementary Diophantine approximations
On the ratio of two blocks of consecutive integers 107
Equicontinuous and absolute basis
Köthe spaces and topological algebra with bases 259
Erratum 303
Expansion formulae
Some results involving Bessel function and Fox's H-function of two variables 255
Exponential Diophantine equations
On the ratio of two blocks of consecutive integers 107
Extended state
Anderson model with decaying randomness existence of extended states 285

Fixed point algorithm
$\tilde{K}'_3$ – A new triangulation of R^n 79
Flatness condition
Critical Sobolev exponent problem in $\mathbb{R}_n$ ($N \geq 4$) with Neumann boundary condition 275

Foliations
A class of totally geodesic foliations of Lie groups 57
Fourier series
Some results involving Bessel function and Fox's H-function of two variables 255
Fourier transform
Some uncertainty inequalities 137
Riesz means for the sublaplacian on the Heisenberg group 147
Fox's H-function
Some results involving Bessel function and Fox's H-function of two variables 255

G_1- and G_∞ conditions
Köthe spaces and topological algebra with bases 259
Gas bubble
Effect of a viscous fluid flow past a spherical gas bubble on the growth of its radius 185
Generating relations
Extension of certain types of generating relations 133
Geometric criterion
Criterion for smoothness of Schubert varieties in $\mathrm{Sl}(n)/B$ 45
Grid size
$\tilde{K}'_3$ – A new triangulation of $\mathbb{R}^n$ 79
Gronwall inequality
Lebesgue-Stieltjes integral inequalities in several variables with retardation 231
Grothendieck-Pietsch nuclearity criteria
Köthe spaces and topological algebra with bases 259
Group-like object
Pairs of II_1 factors 157

Hausdorff dimension
Diophantine approximation by linear forms on manifolds 221
Heisenberg group
Some uncertainty inequalities 137
Hermite expansion
Some uncertainty inequalities 137
Hodge decomposition
Decomposition of the de Rham complex 103

Inequalities
Relative extrema of Legendre functions of the second kind 1
Invariant measure
On the existence of a finite invariant measure 203
Involution theorems
Affine Poisson structures 189
Irreducible subfactor
Pairs of II_1 factors 157

Karmarkar's algorithm
An efficient algorithm for linear programming 295
Khintchine's theorem
Diophantine approximation by linear forms on manifolds 221
Köthe sequence spaces
Köthe spaces and topological algebra with bases 259

L^1 origin
Integrability and L^1-convergence of sine series with generalized quasi-convex coefficients 245
Laguerre expansion
Some uncertainty inequalities 137
Multipliers for the Weyl transform and Laguerre expansions 9
Laguerre polynomials
Extension of certain types of generating relations 133
Lattice path enumeration
Extension of certain types of generating relations 133
Lebesgue-Stieltjes integral
Lebesgue-Stieltjes integral inequalities in several variables with retardation 231
Legendre functions of the second kind
Relative extrema of Legendre functions of the second kind 1
Lie algebras
Affine Poisson structures 189
Liftings of varieties
Decomposition of the de Rham complex 103
Linear forms in logarithms
On the ratio of two blocks of consecutive integers 107
Locally convex algebra
Köthe spaces and topological algebra with bases 259
Lower semicontinuous multifunction
On infinite-dimensional control systems with state and control constraints 65

Manifolds
Diophantine approximation by linear forms on manifolds 221
Metric diophantine approximation
Diophantine approximation by linear forms on manifolds 221
Momentum map
Affine Poisson structures 189
Monotonicity
Relative extrema of Legendre functions of the second kind 1
Moore-Penrose inverse
An efficient algorithm for linear programming 295

Multipliers
Multipliers for the Weyl transform and Laguerre expansions 9

Necklace ring
Verschiebung and Frobenius operators 37
Neumann boundary
Critical Sobolev exponent problem in $R_n (N \geq 4)$ with Neumann boundary condition 275
Nodal hyperelliptic curve
Singular pencils of quadrics and compactified Jacobians of curves 95
Non-linear waves
On shock dynamics 87
Nonlinear Volterra integral equation
Existence of solution for nonlinear Volterra integral equations 179
Nuclear locally convex space
Köthe spaces and topological algebra with bases 259

Orthogonal basis
Köthe spaces and topological algebra with bases 259
Orthogonal projection
An efficient algorithm for linear programming 295
Oscillatory singular integrals
Multipliers for the Weyl transform and Laguerre expansions 9

Poisson structures
Affine Poisson structures 189
Projection matrix
An efficient algorithm for linear programming 295
Projections
Riesz means for the sublaplacian on the Heisenberg group 147
Projective transformation
An efficient algorithm for linear programming 295

Quasi-convex sequence
Integrability and L^1-convergence of sine series with generalized quasi-convex coefficients 245

Rank-1 Riemannian symmetric space
A class of totally geodesic foliations of Lie groups 57
Rayleigh-Plesset formula
Effect of a viscous fluid flow past a spherical gas bubble on the growth of its radius 185
Relaxation
On infinite-dimensional control systems with state and control constraints 65
Relaxed system
On infinite-dimensional control systems with state and control constraints 65
Representation
Riesz means for the sublaplacian on the Heisenberg group 147
Retardation
Lebesgue-Stieltjes integral inequalities in several variables with retardation 231
Riesz means
Riesz means for the sublaplacian on the Heisenberg group 147
Ring of Witt vectors
Verschiebung and Frobenius operators 37

Schauder basis
Köthe spaces and topological algebra with bases 259
Schubert variety
Criterion for smoothness of Schubert varieties in $Sl(n)/B$ 45
Shock propagation
On shock dynamics 87
Singularity link
Vector fields and framings on isolated complete intersection singularities 53
Smoothness
Criterion for smoothness of Schubert varieties in $Sl(n)/B$ 45
Special functions
Some results involving Bessel function and Fox's H-function of two variables 255
Sublaplacian
Riesz means for the sublaplacian on the Heisenberg group 147
Summability
Multipliers for the Weyl transform and Laguerre expansions 9
Symplectic structures
Affine Poisson structures 189

The Laplace transform
On the inverse Laplace transform of the product of a general class of polynomials and the multivariable H-function 21
The multivariable H-function
On the inverse Laplace transform of the product of a general class of polynomials and the multivariable H-function 21
Triangulation
$\tilde{K}'_3$ – A new triangulation of R^n 79
Twisted convolution
Multipliers for the Weyl transform and Laguerre expansions 9

Unconditional convergence
Köthe spaces and topological algebra with bases 259

Unital power series ring
Verschiebung and Frobenius operators 37
Upper semicontinuous multifunction
On infinite-dimensional control systems with state and control constraints 65
Vector field
Vector fields and framings on isolated complete intersection singularities 53
Weyl transform
Multipliers for the Weyl transform and Laguerre expansions 9

AUTHOR INDEX

Adimurthi
Critical Sobolev exponent problem in $\mathbb{R}n(N \geq 4)$ with Neumann boundary condition 275

Askey Richard
Relative extrema of Legendre functions of the second kind 1

Babu Ram
see Suresh Kumari 245

Bajpai S D
Some results involving Bessel function and Fox's H-function of two variables 255

Balachandran K
Existence of solution for nonlinear Volterra integral equations 179

Bawa N P S
see Shukla D P 79

Bhaskara K H
Affine Poisson structures 189

Bhatt Subhash J
Köthe spaces and topological algebra with bases 259

Bhosle Usha N
Singular pencils of quadrics and compactified Jacobians of curves 95

Chakraborty B B
Effect of a viscous fluid flow past a spherical gas bubble on the growth of its radius 185

Deheri G M
see Bhatt Subhash J 259

Deshpande M V
Compact operators on a Banach space into the space of almost periodic functions 25

Dodson M M
Diophantine approximation by linear forms on manifolds 221

Gupta K C
On the inverse Laplace transform of the product of a general class of polynomials and the multivariable H-function 21

Illamaran S
see Balachandran K 179

Krishna M
Anderson model with decaying randomness existence of extended states 285

Lakshmibai V
Criterion for smoothness of Schubert varieties in $\mathrm{Sl}(n)/b$ 45

Mao Xureong
Lebesgue-Stieltjes integral inequalities in several variable with retardation 231

Nadkarni M G
On the existence of a finite invariant measure 203

Papageorgious Nikolaos S
On infinite-dimensional control systems with state and control constraints 65

Parekh M N
see Deshpande M V 25

Prasad Phoolan
On shock dynamics 87
see Srinivasan R 93

Raina R K
Extension of certain types of generating relations 133

Rynne B P
see Dodson M M 221

Sandhya B
see Lakshmibai V 45

Santhanam G
A class of totally geodesic foliations of Lie groups 57

Saradha N
On the ratio of two blocks of consecutive integers 107

Seade Jose
Vector fields and framings on isolated complete intersection singularities 53

Shorey T
see Saradha N 107

Shukla D P
$\tilde{K}^r{}_3$ – A new triangulation of R^n 79

Soni R C
see Gupta K C 21
Srinivas V
Decomposition of the de Rham complex 103
Srinivasan R
Corrections to some expressions in "On the propagation of a multi-dimensional shock of arbitrary strength" 93
Sunder V S
Pairs of II_1-factors 157
Suresh Kumari
Integrability and L^1-convergence of sine series with generalized quasi-convex coefficients 245

Thangavelu S
Multipliers for the Weyl transform and Laguerre expansions 9
Some uncertainty inequalities 137
Riesz means for the sublaplacian on the Heisenberg group 147

Varadarajan K
Verschiebung and Frobenius operators 37
Venkaiah V Ch
An efficient algorithm for linear programming 295
Vickers J A G
see Dodson M M 221

Yadava S L
see Adimurthi 275